# Turnaround Time Dashboard

**Reporting period: 07/18/21 - 07/24/21**

The turnaround time measured is defined as the time between collection of specimen and reporting of results. This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs. The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.
Labs that delivered more than 1,000 results in the week are included in the dashboard.
The data source for the analysis is CalREDIE; detailed methodology is included at the end of the document.

# Turnaround Time, days[1]

**Reporting period: 07/18/21 - 07/24/21** [2]

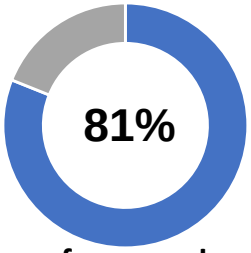
## Average turnaround time for week 07/18/21 - 07/24/21

**Average turnaround time from specimen collection to lab result (days)**

**1**

**Days**

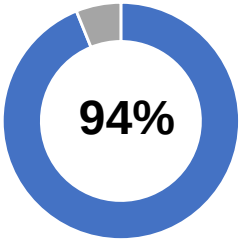
**Percentage of results meeting turnaround time of 1 day**




**% change from week prior**

**-4%**

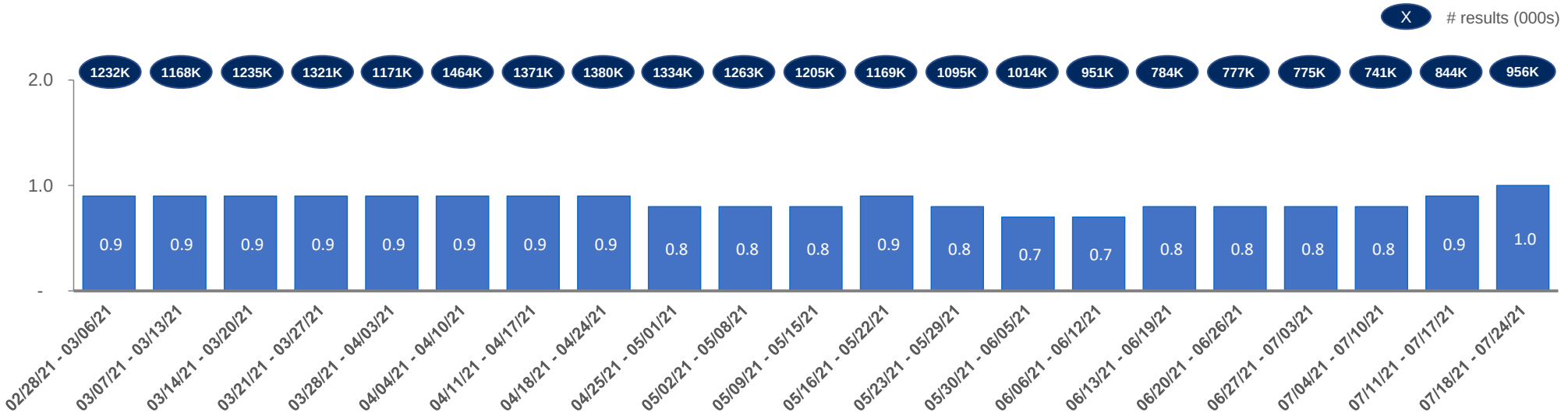
**Percentage of results meeting turnaround time of 2 days**




**% change from week prior**

**No Change**

## Average turnaround time by week, days[1]




1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable
2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change

Source: CalREDIE ELR messages received in CalREDIE production; "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

**Detailed lab data on next page**

## Time from specimen collection to lab result (days) — Week of 07/18/21 - 07/24/21 [2]

Period of time with majority of results
Increase in % results within 2 days from prior period
Defined as -1 to 1% change in results within 2 days from prior period
Decrease in % results within 2 days from prior period

| | | Total test count | 1 day, % of results | 2 days, % of results | 3 days - 4 days, % of results | 5+ days, % of results | Total results within 2 days, % of results | Difference in % of results within 2 days from prior period[4] | Specimen collection to result average TAT (days)[1] |
|---|---|---|---|---|---|---|---|---|---|
| Total | Total | 955783 | 81% | 13% | 5% | 1% | 94% | No Change | 1.0 |
| Commercial | Quest | 67,156 | 70% | 25% | 5% | 0% | 95% | 0% | 1.4 |
| | Fulgent Genetics | 64,417 | 94% | 5% | 1% | 0% | 99% | 0% | 1.0 |
| | SummerBio | 62,626 | 97% | 2% | 1% | 0% | 99% | -1% | <1 |
| | Curative | 55,935 | 47% | 21% | 29% | 3% | 68% | -24% | 2.0 |
| | MiraDx | 41,384 | 88% | 10% | 2% | 0% | 98% | 0% | <1 |
| | Labcorp | 40,405 | 53% | 41% | 6% | 0% | 94% | 0% | 1.5 |
| | BioReference Laboratories | 20,017 | 16% | 32% | 51% | 1% | 48% | -10% | 2.4 |
| | Color Genomics | 17,892 | 95% | 5% | 1% | 0% | 99% | 0% | <1 |
| | COVID Clinic | 16,684 | 96% | 2% | 1% | 0% | 98% | 1% | <1 |
| | Avellino | 15,834 | 57% | 25% | 13% | 5% | 82% | 0% | 1.8 |
| | Helix OpCo | 14,655 | 99% | 0% | 0% | 0% | 100% | 0% | 1.0 |
| | Flow Health | 13,910 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Crestview Clinical Laboratory | 13,384 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Quickmed | 10,070 | 99% | 1% | 0% | 0% | 100% | 0% | <1 |
| | PREDICINE INC. | 8,971 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Biocept | 8,273 | 62% | 25% | 12% | 2% | 86% | 6% | 1.6 |
| | Verily Labs | 7,090 | 74% | 17% | 8% | 0% | 92% | -3% | 1.0 |
| | MD Labs | 6,992 | 95% | 3% | 2% | 1% | 97% | -1% | <1 |
| | Primex Clinical Laboratories | 6,224 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Exceltox | 4,817 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Aegis Sciences | 4,392 | 61% | 35% | 4% | 0% | 96% | -1% | 1.5 |
| | HealthQuest Esoterics | 4,254 | 88% | 8% | 4% | 0% | 96% | 0% | <1 |
| | WestPac Labs | 3,826 | 54% | 36% | 10% | 1% | 89% | -6% | 1.5 |
| | IGeneX | 3,760 | 84% | 12% | 3% | 1% | 96% | 0% | 1.2 |
| | Clarity Lab Solutions | 3,713 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | STS Lab 2 | 3,435 | 93% | 6% | 1% | 0% | 99% | 0% | <1 |
| | PMH Laboratory | 3,104 | 82% | 10% | 6% | 2% | 92% | 3% | 1.1 |
| | AIT Labs | 3,098 | 24% | 45% | 27% | 5% | 69% | 5% | 2.3 |
| | Dxterity Laboratory | 2,772 | 98% | 1% | 1% | 0% | 99% | 0% | <1 |
| | Genome and Biomedical Sciences Facility | 2,757 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Phamatech Laboratories & Diagnostics | 2,674 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Omni Pathology | 2,668 | 80% | 19% | 0% | 0% | 100% | 0% | <1 |
| | Ambry Genetics | 2,475 | 81% | 10% | 7% | 2% | 91% | -5% | 1.7 |
| | UDL | 2,366 | 99% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Healthy Care Clinical Laboratories | 2,233 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Vitae Diagnostics | 2,146 | 77% | 12% | 11% | 0% | 89% | -8% | 1.2 |
| | Genetox | 1,991 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Genetworx | 1,744 | 84% | 7% | 8% | 1% | 91% | -4% | <1 |
| | Ashley Laboratory | 1,694 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Genesis Reference Laboratories | 1,648 | 57% | 27% | 15% | 1% | 84% | 0% | 1.6 |
| | Genesis Laboratory Management | 1,579 | 53% | 35% | 10% | 2% | 87% | 0% | 1.7 |
| | Carbon Health | 1,475 | 99% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Eurofins | 1,474 | 85% | 11% | 3% | 0% | 96% | -3% | 1.1 |
| | Valley Clinical Laboratory | 1,444 | 94% | 2% | 4% | 0% | 96% | -4% | <1 |
| | Pacific Diagnostic Laboratories | 1,411 | 96% | 4% | 0% | 0% | 100% | 0% | <1 |
| | Bach Diagnostics | 1,323 | 67% | 5% | 28% | 0% | 72% | -5% | 1.6 |
| | Priva Path (dba LGC Labs) | 1,290 | 72% | 20% | 7% | 1% | 92% | 1% | 1.4 |
| | Genentox Laboratories | 1,226 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Path MD | 1,119 | 99% | 1% | 0% | 0% | 100% | 0% | 1.0 |
| | TruGraf | 1,099 | 94% | 5% | 1% | 0% | 98% | 0% | 1.0 |
| | Foundation labs | 1,078 | 95% | 4% | 1% | 0% | 99% | -1% | <1 |
| | Other Commercial (n=102) | 21,115 | 89% | 6% | 4% | 1% | 95% | 0% | <1 |
| | Total Commercial | 589,119 | 79% | 13% | 7% | 1% | 92% | -3% | 1.0 |
| Medical Center Affiliated | Kaiser NorCal | 57,304 | 40% | 45% | 13% | 3% | 85% | -3% | 1.9 |
| | Kaiser SoCal | 54,833 | 94% | 6% | 0% | 0% | 100% | 0% | <1 |
| | Santa Clara Valley Medical Center | 12,436 | 99% | 1% | 0% | 0% | 100% | 0% | <1 |
| | Sutter Health | 12,163 | 97% | 3% | 0% | 0% | 100% | 0% | <1 |
| | Dignity Health | 11,287 | 98% | 1% | 1% | 0% | 99% | 2% | <1 |
| | UC Davis | 8,584 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Stanford Hospital and Clinics | 8,428 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Calm Lab | 6,548 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | UCLA | 5,921 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Sharp HealthCare | 5,569 | 95% | 5% | 0% | 0% | 100% | 0% | <1 |
| | HCA | 5,102 | 95% | 5% | 0% | 0% | 100% | 0% | <1 |
| | UC Irvine | 4,508 | 75% | 23% | 2% | 0% | 98% | 0% | 1.0 |
| | UCSF | 4,480 | 99% | 1% | 0% | 0% | 100% | 0% | <1 |
| | University of Southern California - Los Angeles | 4,439 | 99% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Providence Health & Services | 4,194 | 99% | 0% | 1% | 0% | 99% | 3% | <1 |
| | Scripps | 3,228 | 78% | 0% | 0% | 22% | 78% | 10% | 16.1 |
| | Community Medical Centers | 2,980 | 99% | 1% | 0% | 0% | 100% | 0% | <1 |
| | Innovative Genomics Institute | 2,335 | 83% | 15% | 2% | 0% | 98% | 0% | 1.1 |
| | Cedars-Sinai Medical Center | 1,948 | 99% | 0% | 0% | 0% | 100% | 0% | <1 |
| | MemorialCare | 1,857 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Premier Medical Group | 1,688 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | PathMD | 1,666 | 100% | 0% | 0% | 0% | 100% | 1% | <1 |
| | Loma Linda University Health | 1,661 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | John Muir Health | 1,611 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Children's Hospital Los Angeles | 1,572 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Zuckerberg San Francisco General Hospital | 1,564 | 99% | 1% | 0% | 0% | 100% | 0% | <1 |
| | Adventist Health | 1,452 | 99% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Veterans Affairs | 1,427 | 98% | 2% | 0% | 0% | 99% | 2% | <1 |
| | MLK Jr. Hospital | 1,388 | 94% | 2% | 4% | 0% | 96% | 0% | <1 |
| | Huntington Hospital | 1,270 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Kaweah Delta | 1,184 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Palomar Medical Center | 1,128 | 99% | 1% | 0% | 0% | 100% | 0% | <1 |
| | Citrus Valley Health | 1,122 | 98% | 1% | 1% | 0% | 99% | 0% | <1 |
| | Ventura County Hospital | 1,118 | 100% | 0% | 0% | 0% | 100% | 0% | <1 |
| | Other Medical Center Affiliated (n=103) | 23,624 | 98% | 1% | 1% | 0% | 99% | 0% | <1 |
| | Total Medical Center Affiliated | 261,619 | 84% | 12% | 3% | 1% | 96% | -1% | 1.0 |
| PHL | Valencia Branch Lab (VBL) | 55,877 | 84% | 15% | 1% | 0% | 99% | 0% | 1.2 |
| | Contra Costa PHL | 3,624 | 72% | 27% | 1% | 0% | 99% | 0% | 1.3 |
| | Sonoma PHL | 2,158 | 78% | 18% | 4% | 0% | 96% | 5% | 1.2 |
| | San Francisco PHL | 1,468 | 55% | 41% | 4% | 0% | 96% | 0% | 1.5 |
| | LA PHL | 1,295 | 76% | 21% | 3% | 0% | 96% | 0% | 1.3 |
| | Other PHL (n=18) | 4,778 | 71% | 16% | 10% | 3% | 87% | 0% | 1.3 |
| | Total PHL | 69,200 | 81% | 17% | 2% | 0% | 98% | 0% | 1.2 |
| Uncategorized | Total Uncategorized | 35,845 | 97% | 2% | 1% | 0% | 99% | 0% | <1 |

1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable
2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change
3. Uncategorized entities are reporting facilities that could not be determined to be a commercial lab, a medical center affiliated lab, or a public health lab
4. Numbers may not add up due to rounding.

Note: The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
Source: CalREDIE ELR messages received in CalREDIE production; "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR message

# Methodology for calculating lab turnaround time (TAT) from specimen collection to lab result

## Data

- Data source - CalREDIE Electronic Lab Reporting (ELR) messages received in CalREDIE production
- “Specimen collected date" and “Result date” are reported by the laboratory via HL7 ELR messages

## Assumptions

- Specimens collected prior to 3/1/2020 excluded from analysis due to potential concerns with data accuracy
- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined the time between collection of specimen and reporting of results.
  - This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs.
- The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.
- **Sample calculation**
  - Example data: Specimen collected date: 7/20, Result date: 7/27, DISA arrival date: 7/27
  - Specimen collection to CDPH receipt of lab result = Result date (7/27) - Specimen collected date (7/20) = 7 days
  - Lab result to CDPH receipt of lab: DISA arrival date (7/27) - Result date (7/27) = <1 day

## Additional notes

- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
- Results are assigned to week based on specimen result date and there may be a delay in releasing results into CalREDIE production, as local health jurisdictions may still be processing the result in the reported period. As such, the metrics may retroactively change as results come in for prior reporting periods
- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production

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